



REBUILD | RENOVATE | RESURFACE

# HIGH TEMPERATURE RETARDER

By Synergy Building Technologies

### DESCRIPTION

The ZERITHON™ HIGH TEMPERATURE RETARDER is a powder additive to be added to the ZERITHON™ Concrete Repair Material to extend working time in high temperature environments. The use of the HIGH TEMPERATURE RETARDER will not alter the performance characteristics of the ZERITHON™ greatly.

### APPLICATION

The ZERITHON™ HIGH TEMPERATURE RETARDER is available in 7 and 35lb. (3.2 and 15.9kg) pails. The set time and working properties of ZERITHON™ vary according to a number of factors such as ambient temperature, temperature of the substrate, depth of pour, in direct sunlight or cloudy, and air movement. When ambient temperature rises above 70°F (21°C) HIGH TEMPERATURE RETARDER may be used to extend the working time. The HIGH TEMPERATURE RETARDER can be used to help place ZERITHON™ in temperature as high as 100°F(38°C).The following chart shows the effect of the HIGH TEMPERATURE RETARDER on ZERITHON™ setting time:

| AT TEMPERATURE OF            | FOR AN APPROXIMATE SETTING TIME OF | REQUIRED WEIGHT OF HIGH TEMPERATURE RETARDER NEEDED PER BAG OF ZERITHON™ |
|------------------------------|------------------------------------|--|
| 70°F (21°C)                  | 30 Minutes                         | .75 Cup  |
| 80°F - 90°F<br>(27°C - 32°C) | 15 Minutes<br>30 Minutes           | 1.25 Cup<br>2 Cups   |
| 100°F (38°C)                 | 10 Minutes<br>30 Minutes           | 2.75 Cup<br>4 Cups   |

**1 cup (8 fl.oz/250 ml) holds 6.17oz (175g) of 1263 HTR**

The above guidelines are based on actual experience. Factors including ambient temperature, direct sunlight, substrate temperature, and air movement (wind) may affect the actual setting time. Always test in your actual working conditions to determine desired setting time.

### **DO NOT USE HIGH TEMPERATURE RETARDER BELOW 70°F (21°C)**

### MIXING

To mix in the HIGH TEMPERATURE RETARDER, pour the liquid activator in the container first, add the retarder, add the aggregate then add the dry mix ZERITHON™ Part A. Mix and handle the ZERITHON™ in a consistent manner as per the ZERITHON™ data sheet.

### SAFETY

Please refer to SDS at [www.synergybuildingtech.com](http://www.synergybuildingtech.com)

### WARRANTY DISCLAIMER

The information herein is to assist customers in determining whether our products are suitable for their application. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to the contents and suitability. We warrant that our products will meet our written specifications. Nothing herein shall constitute a warranty expressed or implied, including any warranty of merchantability or fitness, nor is protection from any loss or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.